

10659859_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10659859 on February 27, 2004

23 188/171 (11 OR, 12 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/166 .Spring
188/171 ..Electric release

20 188/161 (5 OR, 15 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric
188/161 ..Electromagnet

18 303/20 (3 OR, 15 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/20 ELECTRIC CONTROL

17 303/7 (11 OR, 6 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors
303/7 ..Sectional train

11 310/93 (5 OR, 6 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/92 ..Torque-transmitting clutches or brakes
310/93 ...Brake type

10 303/119.2 (2 OR, 8 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/121 SPEED-CONTROLLED
303/113.1 .Having a valve system responsive to a wheel
lock signal
303/119.1 ..System controlled by solenoid valve
303/119.2 ...System solenoid valve detail

10 310/77 (4 OR, 6 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/66 ..With other elements
310/75R ...Drive mechanism
310/77Brake

8 188/164 (3 OR, 5 XR)
Class 188 : BRAKES
188/381 FRICTIONAL VIBRATION DAMPER
188/158 .Electric
188/161 ..Electromagnet
188/164 ...Magnetic circuit

8 188/72.3 (0 OR, 8 XR)
Class 188 : BRAKES
188/67 ROD

10659859_EAST

(6161653
6321883
5235303
4174869
4099790
4984126
5509509
5931285
5582275
4757881
6047805
6050654
4791344
4375149
4994725
4386684
5560557
6158405
5227702
5829845
4280737
4402553
4573350
5014828
5186286
5368138
5415253
5433297
5465815
5704587
5709347
5739610
5979292
6203123
6209968
6209968
6244395
6253832
4311373
4594844
4398252
4760898
6094024
6142266
4332199
6009357
6545852
4778255
5232195
4276824) .pn.
(4788463
4425988
3579973
5046404
5254528
5378210
5443132
5967274
6129025

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4326236
5537865
5705903
5801497
6149544
6343504
4581987
5457372
4354147
4450397
4455515
4324180
5778703
5791442
4937483
5806937
6084325
3624438
3624437
4294337
4327873
4576051
4951567
5054587
5045739
5031900
5189324
5254061
5417478
5438909
5479890
5518087
5615930
5620236
5647645
5782542
5785393
5800025
5830105
5915507
5941609) .pn.
(5949147
5970881
6039410
6050649
6179390
6325466
6367588
6429609
6459182
6471017
6557673
6557952
6619759
6655752
4281552
4296636
4479844
4290313

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5245279
5289131
6198614
6233131
4325261
4358693
4367449
4370892
4401925
4446691
4449356
4449355
4449354
4467388
4544985
4563904
4577174
4766770
4782295
5436873
5495886
5523746
5538581
5555484
5566376
5610794
5844143
5929732
6153959
6175199
6239679
5804901) .pn.
(6155654
5351042
5481143
6100491
6165095
6166896
4476450
5409194
5815057
4530428
4793263
4847726
4905031
5343145
5345431
5375506
5490124
5653514
6003481
6066999
6106236
6364294
6655328
4366385
4449835
4464576
4935677

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4994698
5014030
4932707
5601027
5460074
3668445
4589706
4785855
5605088
5842774
6033034
4316599
5361675
6156989
5238095
4336132
4475826
4430592
4575160
5388669
5555962
5868229
5927453) .pn.
(6070705
6202804
3912196
3840096
4170278
4351423
4352415
4368614
4387579
4553653
4609080
4811820
4828078
4958780
5057728
5176231
5178441
5199532
5253738
5332302
5404852
5479844
5547059
5889476
5924510
6019185
6041879
6082480
6102493
6125975
6161659
6290030
6332493
6341676
6378743
6488133

10659859_EAST

4903510
5202539
3593630
3590969
3791418
4022306
4265345
4326609
4333207
4386683
4414806
4437129
4548373
4800799) .pn.
(4811994
5211257
5384612
5398731
5462502
5713445
5915668
6109176
6148967
6267207
6311808
6423008
6457666
6464025
4543519
6047534
5216217
3659170
4030007
4034856
4145645
4307793
4360753
4384250
4450388
4471855
4479565
4509620
4547692
4560913
4792734
4799557
4833386
4862052
4916370
4978897
4986340
5003241
5345649
5347895
5583406
5583412
6037728
6264005
5483615

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6006553

6057614

4589534

5988327

5460585) .pn.

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10659859 on February 27, 2004

Original Classifications

11 188/171
11 303/7
6 73/861.12
6 303/114.3
5 188/161
5 310/93
4 57/284
4 188/138
4 303/3
4 310/77
3 57/88
3 101/216
3 188/164
3 188/71.8
3 192/12R
3 303/20
3 361/144
2 73/118.1
2 73/861.17
2 91/369.1
2 123/90.11
2 164/502
2 180/197
2 180/247
2 187/296
2 188/196BA
2 188/77R
2 192/18B
2 192/35
2 242/486.8
2 251/129.08
2 290/38R
2 303/113.3
2 303/119.2
2 310/105
2 318/760
2 318/762
2 335/132
2 340/5.61
2 361/160
2 361/206

Cross-Reference Classifications

15 188/161
15 303/20
12 188/171
8 188/72.3
8 303/119.2
6 188/156
6 188/158
6 188/3R
6 303/124
6 303/7
6 310/77

6 310/93
6 318/375
5 91/376R
5 188/164
5 242/150M
5 303/113.4
5 318/757
4 57/283
4 57/354
4 57/91
4 187/288
4 188/356
4 188/72.1
4 188/72.9
4 192/56.54
4 192/90
4 242/131
3 60/547.1
3 73/861.17
3 180/249
3 188/106P
3 188/162
3 188/163
3 188/267
3 192/111A
3 192/48.92
3 192/56.62
3 242/422.2
3 318/368
3 318/372
3 318/439
3 318/759
3 318/760
3 482/903
2 57/100
2 70/283
2 73/861.16
2 91/433
2 91/459
2 101/DIG 41
2 104/286
2 104/293
2 112/275
2 123/179.25
2 137/625.65
2 164/466
2 180/168
2 187/296
2 187/351
2 188/106F
2 188/166
2 188/180
2 188/196V
2 188/71.8
2 188/72.8
2 192/18B
2 192/81C
2 192/84.81
2 192/93A

2 242/419.3
 2 251/129.1
 2 251/129.11
 2 251/129.16
 2 303/113.3
 2 303/119.1
 2 303/15
 2 303/24.1
 2 303/3
 2 303/900
 2 310/105
 2 310/112
 2 310/114
 2 310/12
 2 310/218
 2 310/51
 2 310/53
 2 310/76
 2 310/94
 2 318/139
 2 318/371
 2 318/466
 2 318/763
 2 324/235
 2 335/131
 2 335/203
 2 335/245
 2 335/78
 2 336/136
 2 340/5.7
 2 361/144
 2 361/152
 2 361/160
 2 388/806
 2 482/5
 2 482/63

Combined Classifications

23 188/171
 20 188/161
 18 303/20
 17 303/7
 11 310/93
 10 303/119.2
 10 310/77
 8 188/164
 8 188/72.3
 7 188/156
 7 303/114.3
 7 303/124
 7 318/375
 6 73/861.12
 6 188/158
 6 188/3R
 6 303/3
 6 318/757
 5 73/861.17
 5 91/376R
 5 187/288

5 188/138
5 188/71.8
5 242/150M
5 303/113.4
5 318/760
5 361/144
4 57/283
4 57/284
4 57/354
4 57/91
4 187/296
4 188/106P
4 188/162
4 188/267
4 188/356
4 188/72.1
4 188/72.9
4 192/18B
4 192/56.54
4 192/90
4 242/131
4 303/113.3
4 310/105
4 318/368
4 318/372
4 318/759
4 361/160
3 57/88
3 60/547.1
3 101/216
3 180/249
3 188/163
3 192/111A
3 192/12R
3 192/35
3 192/48.92
3 192/56.62
3 192/84.81
3 242/422.2
3 310/51
3 318/139
3 318/439
3 318/763
3 361/206
3 482/5
3 482/63
3 482/903
2 57/100
2 70/283
2 73/118.1
2 73/861.16
2 91/369.1
2 91/433
2 91/459
2 101/DIG 41
2 104/286
2 104/293
2 112/275
2 123/179.25

2 123/90.11
2 137/625.65
2 164/466
2 164/502
2 180/168
2 180/197
2 180/247
2 187/351
2 188/1.11E
2 188/106F
2 188/166
2 188/180
2 188/196BA
2 188/196V
2 188/72.6
2 188/72.7
2 188/72.8
2 188/77R
2 192/16
2 192/81C
2 192/93A
2 242/149
2 242/419.3
2 242/419.9
2 242/486.8
2 251/129.08
2 251/129.1
2 251/129.11
2 251/129.15
2 251/129.16
2 290/38R
2 303/116.1
2 303/117.1
2 303/119.1
2 303/15
2 303/191
2 303/24.1
2 303/900
2 310/112
2 310/114
2 310/12
2 310/218
2 310/53
2 310/74
2 310/76
2 310/94
2 318/138
2 318/254
2 318/269
2 318/371
2 318/376
2 318/466
2 318/567
2 318/762
2 324/235
2 335/131
2 335/132
2 335/203
2 335/245

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2 335/306
2 335/78
2 336/136
2 340/5.61
2 340/5.7
2 361/115
2 361/147
2 361/152
2 361/170
2 388/806
2 477/13
2 701/70

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- 188/71.1 .Axially movable brake element or housing therefor
- 188/72.1 ..With means for actuating brake element
- 188/72.3 ...And means for retracting brake element
- 7 188/156 (1 OR, 6 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/156 .Electric and mechanical
- 7 303/114.3 (6 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/114.3 ..Including pneumatic power booster
- 7 303/124 (1 OR, 6 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/123 .For a tractor-trailer type vehicle
 - 303/124 ..Electric brake
- 7 318/375 (1 OR, 6 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/362 BRAKING
 - 318/375 .Dynamic braking
- 6 73/861.12 (6 OR, 0 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/861 VOLUME OR RATE OF FLOW
 - 73/861.08 .By measuring electrical or magnetic properties
 - 73/861.11 ..Electromagnetic induction (e.g., Faraday type)
 - 73/861.12 ...With detecting electrodes
- 6 188/158 (0 OR, 6 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/158 .Electric
- 6 188/3R (0 OR, 6 XR)
 - Class 188 : BRAKES
 - 188/2R VEHICLE
 - 188/3R .Train
- 6 303/3 (4 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/2 MULTIPLE SYSTEMS
 - 303/3 .Fluid pressure and electric
- 6 318/757 (1 OR, 5 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/727 INDUCTION MOTOR SYSTEMS
 - 318/757 .Braking
- 5 73/861.17 (2 OR, 3 XR)
 - Class 073 : MEASURING AND TESTING

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- 73/861 VOLUME OR RATE OF FLOW
- 73/861.08 .By measuring electrical or magnetic properties
- 73/861.11 ..Electromagnetic induction (e.g., Faraday type)
- 73/861.12 ...With detecting electrodes
- 73/861.16Including electrically interconnected or synchronized input and output circuit
- 73/861.17Selective or periodic sampling
- 5 91/376R (0 OR, 5 XR)
 - Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 - 91/358R WORKING MEMBER POSITION FEEDBACK TO MOTIVE FLUID CONTROL
 - 91/368 .Follower type
 - 91/374 ..Plural movable valve parts
 - 91/376R ...One movable part unitary with working member
- 5 187/288 (1 OR, 4 XR)
 - Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR STATIONARY LIFT FOR VEHICLE
 - 187/250 HAVING SPECIFIC LOAD SUPPORT DRIVE-MEANS OR ITS CONTROL
 - 187/276 .Includes control for power source of drive-means
 - 187/277 ..With specific electrical component
 - 187/288 ...Control actuates mechanical braking means for power source
- 5 188/138 (4 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/110 .Automatic
 - 188/135 ..Momentum
 - 188/137 ...Electric control
 - 188/138Vehicle
- 5 188/71.8 (3 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/71.7 ..With means to adjust for wear of brake
 - 188/71.8 ...Self-adjusting means
- 5 242/150M (0 OR, 5 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING
 - 242/147R STRAND TENSIONING DEVICE
 - 242/149 .Clamp
 - 242/150R ..Disk type
 - 242/150M ...Magnetic
- 5 303/113.4 (0 OR, 5 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/113.4 ..Including a stroke sensor

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- 5 318/760 (2 OR, 3 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/727 INDUCTION MOTOR SYSTEMS
 318/757 .Braking
 318/759 ..Dynamic braking
 318/760 ...Direct current primary winding braking
 circuit
- 5 361/144 (3 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 361/143 .Systems for magnetizing, demagnetizing, or
 controlling the magnetic field
 361/144 ..For lifting or holding
- 4 57/283 (0 OR, 4 XR)
 Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 57/1R APPARATUS AND PROCESSES
 57/282 .Twist setting
 57/283 ..With twist variation
- 4 57/284 (4 OR, 0 XR)
 Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 57/1R APPARATUS AND PROCESSES
 57/282 .Twist setting
 57/284 ..False twist crimp
- 4 57/354 (0 OR, 4 XR)
 Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 57/1R APPARATUS AND PROCESSES
 57/352 .Strand guiding or guarding
 57/354 ..Separator or balloon limiter
- 4 57/91 (0 OR, 4 XR)
 Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 57/1R APPARATUS AND PROCESSES
 57/90 .Feeding
 57/91 ..Irregular
- 4 187/296 (2 OR, 2 XR)
 Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR
 STATIONARY LIFT FOR VEHICLE
 187/250 HAVING SPECIFIC LOAD SUPPORT DRIVE-MEANS OR ITS
 CONTROL
 187/276 .Includes control for power source of
 drive-means
 187/277 ..With specific electrical component
 187/289 ...For electric power source
 187/293Controls power source speed
 187/296Limited to power source (i.e., motor)
 utilizing A.C. power
- 4 188/106P (1 OR, 3 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/105 .Multiple
 188/106R ..Vehicle

- 188/106P ...Plural systems
- 4 188/162 (1 OR, 3 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/158 .Electric
 188/161 ..Electromagnet
 188/162 ...Rotary motor
- 4 188/267 (1 OR, 3 XR)
 Class 188 : BRAKES
 188/266 INTERNAL-RESISTANCE MOTION RETARDER
 188/267 .Using magnetic flux
- 4 188/356 (0 OR, 4 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/151R .Fluid pressure
 188/152 ..Road vehicle
 188/355 ...With nonmanual fluid-power source
 188/356 Vacuum power
- 4 188/72.1 (0 OR, 4 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element
- 4 188/72.9 (0 OR, 4 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element
 188/72.9 ...By pivoted lever
- 4 192/18B (2 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/12R CLUTCH AND BRAKE
 192/18R .Sliding operation
 192/18B ..Electric and magnetic
- 4 192/56.54 (0 OR, 4 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/54.1 .Torque responsive
 192/56.1 ..Overload release
 192/56.5 ...Clutch elements remain disengaged after
 overload corrected
 192/56.51 Having separate latch to hold clutch
 elements disengaged
 192/56.52 Axially engaged
 192/56.53 Positive
 192/56.54 Ball or roller
- 4 192/90 (0 OR, 4 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES

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- 192/82R .Operators
- 192/89.2 ..Spring engaged
- 192/90 ...Electric release

- 4 242/131 (0 OR, 4 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING
 - 242/129.5 SUPPORT FOR A STRAND MATERIAL HOLDER
 - 242/130 .For bobbins (i.e., commercial-type strand packages)
 - 242/131 ..Creel

- 4 303/113.3 (2 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/113.2 ..With traction control
 - 303/113.3 ...Including booster

- 4 310/105 (2 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/92 ..Torque-transmitting clutches or brakes
 - 310/103 ...Magnetic field type
 - 310/105Induced or eddy current type

- 4 318/368 (1 OR, 3 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/362 BRAKING
 - 318/364 .Automatic and/or with time-delay means
 - 318/366 ..Condition of motor or driven device
 - 318/368 ...Armature or primary circuit voltage or terminal or counter e.m.f. voltage

- 4 318/372 (1 OR, 3 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/362 BRAKING
 - 318/372 .Friction braking

- 4 318/759 (1 OR, 3 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/727 INDUCTION MOTOR SYSTEMS
 - 318/757 .Braking
 - 318/759 ..Dynamic braking

- 4 361/160 (2 OR, 2 XR)
 - Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 - 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 - 361/160 .For relays or solenoids

- 3 57/88 (3 OR, 0 XR)
 - Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 - 57/1R APPARATUS AND PROCESSES
 - 57/78 .Stopping or starting
 - 57/88 ..Spindle stopping

- 3 60/547.1 (0 OR, 3 XR)

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- Class 060 : POWER PLANTS
 - 60/325 PRESSURE FLUID SOURCE AND MOTOR
 - 60/533 .Pulsator
 - 60/547.1 ..With control of or by a separate power fluid, etc.

- 3 101/216 (3 OR, 0 XR)
 - Class 101 : PRINTING
 - 101/212 ROLLING CONTACT MACHINES
 - 101/216 .Rotary

- 3 180/249 (0 OR, 3 XR)
 - Class 180 : MOTOR VEHICLES
 - 180/233 HAVING FOUR WHEELS DRIVEN
 - 180/248 .With differential means for driving two wheel sets at dissimilar speeds
 - 180/249 ..And means for locking out the differential means

- 3 188/163 (0 OR, 3 XR)
 - Class 188 : BRAKES
 - 188/381 FRICTIONAL VIBRATION DAMPER
 - 188/158 .Electric
 - 188/161 ..Electromagnet
 - 188/163 ...Solenoid

- 3 192/111A (0 OR, 3 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/111R .Wear compensators
 - 192/111A ..Automatic wear compensators

- 3 192/12R (3 OR, 0 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/12R CLUTCH AND BRAKE

- 3 192/35 (2 OR, 1 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/31 .Automatic
 - 192/32 ..Manual control
 - 192/35 ...Pilot mechanism

- 3 192/48.92 (0 OR, 3 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/48.1 .Plural clutch-assembly
 - 192/48.92 ..Including unirotationally engaging clutch-elements

- 3 192/56.62 (0 OR, 3 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/54.1 .Torque responsive
 - 192/56.1 ..Overload release
 - 192/56.6 ...Axially engaged
 - 192/56.61Positive
 - 192/56.62Ball or roller

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- 3 192/84.81 (1 OR, 2 XR)
 Class 192 : CLUTCHES AND POWER-STOP CONTROL
 192/30R CLUTCHES
 192/82R .Operators
 192/84.1 ..Electric or magnetic
 192/84.8 ...Operator for transversely engaging elements

 192/84.81Coil spring
- 3 242/422.2 (0 OR, 3 XR)
 Class 242 : WINDING, TENSIONING, OR GUIDING
 242/410 TENSION CONTROL OR BRAKE
 242/416 .Supply controlled
 242/422 ..Yieldable coil brake
 242/422.2 ...Fluid or magnetic brake or operator
- 3 310/51 (1 OR, 2 XR)
 Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 310/10 DYNAMOELECTRIC
 310/40R .Rotary
 310/51 ..Vibration or noise suppression
- 3 318/139 (1 OR, 2 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/139 BATTERY-FED MOTOR SYSTEMS
- 3 318/439 (0 OR, 3 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/439 MOTOR COMMUTATION CONTROL SYSTEMS
- 3 318/763 (1 OR, 2 XR)
 Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 318/727 INDUCTION MOTOR SYSTEMS
 318/757 .Braking
 318/763 ..Reversal of power to primary winding
- 3 361/206 (2 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 361/160 .For relays or solenoids
 361/206 ..Particular relay or solenoid
- 3 482/5 (1 OR, 2 XR)
 Class 482 : EXERCISE DEVICES
 482/1 HAVING SPECIFIC ELECTRICAL FEATURE
 482/4 .Equipment control
 482/5 ..Amount of resistance
- 3 482/63 (1 OR, 2 XR)
 Class 482 : EXERCISE DEVICES
 482/51 INVOLVING USER TRANSLATION OR PHYSICAL
 SIMULATION THEREOF
 482/57 .Bicycling
 482/63 ..Utilizing specific resistance generating
 structure
- 3 482/903 (0 OR, 3 XR)
 Class 482 : EXERCISE DEVICES

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482/903 UTILIZING ELECTROMAGNETIC FORCE RESISTANCE

- 2 57/100 (0 OR, 2 XR)
 Class 057 : TEXTILES: SPINNING, TWISTING, AND TWINING
 57/1R APPARATUS AND PROCESSES
 57/92 .Driving
 57/100 ..Electric
- 2 70/283 (0 OR, 2 XR)
 Class 070 : LOCKS
 70/266 OPERATING MECHANISM
 70/275 .Using a powered device (e.g., motor)
 70/277 ..Electrical type (e.g., solenoid)
 70/283 ...Dogging manual operator
- 2 73/118.1 (2 OR, 0 XR)
 Class 073 : MEASURING AND TESTING
 73/116 MOTOR AND ENGINE TESTING
 73/118.1 .Testing auxiliary unit
- 2 73/861.16 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/861 VOLUME OR RATE OF FLOW
 73/861.08 .By measuring electrical or magnetic properties
 73/861.11 ..Electromagnetic induction (e.g., Faraday
 type)
 73/861.12 ...With detecting electrodes
 73/861.16 Including electrically interconnected or
 synchronized input and output circuit
- 2 91/369.1 (2 OR, 0 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/358R WORKING MEMBER POSITION FEEDBACK TO MOTIVE
 FLUID CONTROL
 91/368 .Follower type
 91/369.1 ..With relatively movable working and output
 members reacting on input member
- 2 91/433 (0 OR, 2 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/433 .Both inlet and exhaust controlled by motive
 fluid pressure in supply line or chamber
- 2 91/459 (0 OR, 2 XR)
 Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE
 91/418 WITH MOTIVE FLUID VALVE
 91/459 .Electrically operated (275) (361)
- 2 101/DIG 41 (0 OR, 2 XR)
 Class 101 : PRINTING
 101/DIG 41 MEANS FOR BRAKING PRESS CYLINDERS
- 2 104/286 (0 OR, 2 XR)
 Class 104 : RAILWAYS
 104/281 MAGNETICALLY SUSPENDED CAR
 104/286 .Construction or composition of suspension
 elements

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- 2 104/293 (0 OR, 2 XR)
 - Class 104 : RAILWAYS
 - 104/287 CAR-CARRIED PROPULSION SYSTEM
 - 104/288 .Electric
 - 104/290 ..Linear motor
 - 104/293 ...Including means to control gap

- 2 112/275 (0 OR, 2 XR)
 - Class 112 : SEWING
 - 112/270 ELEMENTS
 - 112/271 .Starting or stopping
 - 112/274 ..With element positioning
 - 112/275 ...Electrically operated

- 2 123/179.25 (0 OR, 2 XR)
 - Class 123 : INTERNAL-COMBUSTION ENGINES
 - 123/179.1 STARTING DEVICE
 - 123/179.25 .Having specific mounting or drive connection
for electric starter motor

- 2 123/90.11 (2 OR, 0 XR)
 - Class 123 : INTERNAL-COMBUSTION ENGINES
 - 123/90.1 POPPET VALVE OPERATING MECHANISM
 - 123/90.11 .Electrical system

- 2 137/625.65 (0 OR, 2 XR)
 - Class 137 : FLUID HANDLING
 - 137/561R SYSTEMS
 - 137/625 .Multi-way valve unit
 - 137/625.2 ..Supply and exhaust
 - 137/625.65 ...Motor-operated

- 2 164/466 (0 OR, 2 XR)
 - Class 164 : METAL FOUNDRY
 - 164/1 PROCESS
 - 164/47 .Shaping liquid metal against a forming surface

 - 164/459 ..Continuous or semicontinuous casting
 - 164/466 ...Utilizing magnetic force

- 2 164/502 (2 OR, 0 XR)
 - Class 164 : METAL FOUNDRY
 - 164/146 INCLUDING MEANS TO DIRECTLY APPLY MAGNETIC
FORCE TO WORK OR TO MANIPULATE OR HOLD SHAPING MEANS
 - 164/147.1 .By electromagnetic means
 - 164/502 ..In continuous casting apparatus

- 2 180/168 (0 OR, 2 XR)
 - Class 180 : MOTOR VEHICLES
 - 180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIVE
TO ELECTROMAGNETIC RADIATION, MAGNETIC FORCE, OR SOUND
WAVES RECEIVED FROM SOURCE, OR REFLECTED FROM OBJECT OR
SURFACE, LOCATED APART FROM VEHICLE
 - 180/168 .Having controlling means adapted to interact
with stationary means which describes course of vehicle's
travel

- 2 180/197 (2 OR, 0 XR)

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- Class 180 : MOTOR VEHICLES
 180/197 WITH MEANS FOR DETECTING WHEEL SLIP DURING
 VEHICLE ACCELERATION AND CONTROLLING IT BY REDUCING
 APPLICATION OF POWER TO WHEEL
- 2 180/247 (2 OR, 0 XR)
 Class 180 : MOTOR VEHICLES
 180/233 HAVING FOUR WHEELS DRIVEN
 180/247 .With manually operated means for disengaging
 drive to one or more, but fewer than all, of the four
 wheels
- 2 187/351 (0 OR, 2 XR)
 Class 187 : ELEVATOR, INDUSTRIAL LIFT TRUCK, OR
 STATIONARY LIFT FOR VEHICLE
 187/351 HAVING SPECIFIC MEANS CONTACTING OR ON LOAD
 SUPPORT FOR STOPPING OR SLOWING THEREOF
- 2 188/1.11E (1 OR, 1 XR)
 Class 188 : BRAKES
 188/1.11R WITH CONDITION INDICATOR
 188/1.11E .Electrical
- 2 188/106F (0 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/105 .Multiple
 188/106R ..Vehicle
 188/106F ...Fluid and mechanical
- 2 188/166 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/166 .Spring
- 2 188/180 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/174 .Weight
 188/180 ..Regulators
- 2 188/196BA (2 OR, 0 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/196R .Slack
 188/196B ..Ratchet
 188/196BA ...Rotatable
- 2 188/196V (0 OR, 2 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/196R .Slack
 188/196V ..Screw, shim or cam
- 2 188/72.6 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor

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- 188/72.1 ..With means for actuating brake element
- 188/72.4 ...By fluid pressure piston
- 188/72.6 And/or mechanical linkage

- 2 188/72.7 (1 OR, 1 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/72.1 ..With means for actuating brake element
 - 188/72.7 ...By inclined surface (e.g., wedge, cam or screw)

- 2 188/72.8 (0 OR, 2 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/71.1 .Axially movable brake element or housing therefor
 - 188/72.1 ..With means for actuating brake element
 - 188/72.7 ...By inclined surface (e.g., wedge, cam or screw)
 - 188/72.8 Screw or helical cam

- 2 188/77R (2 OR, 0 XR)
 - Class 188 : BRAKES
 - 188/67 ROD
 - 188/74 ..Transversely movable
 - 188/77R ..Strap

- 2 192/16 (1 OR, 1 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/12R CLUTCH AND BRAKE
 - 192/15 ..Automatic check and release
 - 192/16 ..Clutch and brake same member

- 2 192/81C (0 OR, 2 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/66.1 .Axially engaging
 - 192/79 ..Exterior
 - 192/80 ...Strap
 - 192/81R Multiple folds
 - 192/81C Coil

- 2 192/93A (0 OR, 2 XR)
 - Class 192 : CLUTCHES AND POWER-STOP CONTROL
 - 192/30R CLUTCHES
 - 192/82R ..Operators
 - 192/93R ..Cam
 - 192/93A ...Axially thrusting cams rotatable about clutch axis

- 2 242/149 (1 OR, 1 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING
 - 242/147R STRAND TENSIONING DEVICE
 - 242/149 .Clamp

- 2 242/419.3 (0 OR, 2 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING

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- 242/410 TENSION CONTROL OR BRAKE
- 242/416 .Supply controlled
- 242/419 ..Drag on running material
- 242/419.3 ...Pneumatic or magnetic
- 2 242/419.9 (1 OR, 1 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING
 - 242/410 TENSION CONTROL OR BRAKE
 - 242/416 .Supply controlled
 - 242/419 ..Drag on running material
 - 242/419.8 ...Rotary
 - 242/419.9With brake or clutch
- 2 242/486.8 (2 OR, 0 XR)
 - Class 242 : WINDING, TENSIONING, OR GUIDING
 - 242/470 HELICAL OR RANDOM WINDING OF MATERIAL
 - 242/484.6 .Including particular drive
 - 242/486.8 ..Drive engages spindle
- 2 251/129.08 (2 OR, 0 XR)
 - Class 251 : VALVES AND VALVE ACTUATION
 - 251/129.01 ELECTRICALLY ACTUATED VALVE
 - 251/129.08 .Having means to produce proportional flow
- 2 251/129.1 (0 OR, 2 XR)
 - Class 251 : VALVES AND VALVE ACTUATION
 - 251/129.01 ELECTRICALLY ACTUATED VALVE
 - 251/129.09 .Solenoid having plural coils
 - 251/129.1 ..Coils have common axis
- 2 251/129.11 (0 OR, 2 XR)
 - Class 251 : VALVES AND VALVE ACTUATION
 - 251/129.01 ELECTRICALLY ACTUATED VALVE
 - 251/129.11 .Rotary electric actuator
- 2 251/129.15 (1 OR, 1 XR)
 - Class 251 : VALVES AND VALVE ACTUATION
 - 251/129.01 ELECTRICALLY ACTUATED VALVE
 - 251/129.15 .Including solenoid
- 2 251/129.16 (0 OR, 2 XR)
 - Class 251 : VALVES AND VALVE ACTUATION
 - 251/129.01 ELECTRICALLY ACTUATED VALVE
 - 251/129.15 .Including solenoid
 - 251/129.16 ..Having plate-shaped armature
- 2 290/38R (2 OR, 0 XR)
 - Class 290 : PRIME-MOVER DYNAMO PLANTS
 - 290/7 ELECTRIC CONTROL
 - 290/38R .Electric-starting motor
- 2 303/116.1 (1 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/116.1 ..Including pump with system solenoid valve
- 2 303/117.1 (1 OR, 1 XR)

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- Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/117.1 ..Spool valve
- 2 303/119.1 (0 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/113.1 .Having a valve system responsive to a wheel lock signal
 - 303/119.1 ..System controlled by solenoid valve
- 2 303/15 (0 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/13 MULTIPLE CONTROL
 - 303/15 .Fluid and electric
- 2 303/191 (1 OR, 1 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/121 SPEED-CONTROLLED
 - 303/191 .Odd condition or device detection (e.g., fluid or brake temperature, hillholder, anti-squeal controller acoustic emission)
- 2 303/24.1 (0 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/24.1 INERTIA CONTROL
- 2 303/900 (0 OR, 2 XR)
 - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 - 303/900 ABS THROTTLE CONTROL
- 2 310/112 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/112 ..Plural units, structurally united
- 2 310/114 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/114 ..Plural rotary elements
- 2 310/12 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/12 .Linear
- 2 310/218 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/179 ..Windings and core structure
 - 310/216 ...Core features
 - 310/218Pole assembly and securing means

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- 2 310/53 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/52 ..Cooling or fluid contact
 - 310/53 ...With control means

- 2 310/74 (1 OR, 1 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/66 ..With other elements
 - 310/74 ...Inertia or fly-wheel device

- 2 310/76 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/66 ..With other elements
 - 310/75R ...Drive mechanism
 - 310/76Brake and clutch

- 2 310/94 (0 OR, 2 XR)
 - Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
 - 310/10 DYNAMOELECTRIC
 - 310/40R .Rotary
 - 310/92 ..Torque-transmitting clutches or brakes
 - 310/94 ...Automatic control

- 2 318/138 (1 OR, 1 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/138 SPACE-DISCHARGE-DEVICE COMMUTATED MOTOR

- 2 318/254 (1 OR, 1 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/254 SELF-COMMUTATED IMPULSE OR RELUCTANCE MOTORS

- 2 318/269 (1 OR, 1 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/255 PLURAL DIVERSE MOTOR CONTROLS
 - 318/268 .Running-speed control
 - 318/269 ..With braking

- 2 318/371 (0 OR, 2 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/362 BRAKING
 - 318/370 .Plural, diverse or diversely controlled
braking means
 - 318/371 ..Including both friction braking "plugging"
and/or dynamic braking

- 2 318/376 (1 OR, 1 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
 - 318/362 BRAKING
 - 318/375 .Dynamic braking
 - 318/376 ..Regenerative

- 2 318/466 (0 OR, 2 XR)
 - Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS

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- 318/445 AUTOMATIC AND/OR WITH TIME-DELAY MEANS (E.G.,
AUTOMATIC STARTING AND/OR STOPPING)
- 318/466 .Movement, position, or limit-of-travel
- 2 318/567 (1 OR, 1 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/560 POSITIONAL SERVO SYSTEMS (E.G.,
SERVOMECHANISMS)
318/567 .Program- or pattern-controlled systems
- 2 318/762 (2 OR, 0 XR)
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/727 INDUCTION MOTOR SYSTEMS
318/757 .Braking
318/759 ..Dynamic braking
318/760 ...Direct current primary winding braking
 circuit
318/762 With a.c. to d.c. conversion circuit
- 2 324/235 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/200 MAGNETIC
324/228 .With means to create magnetic field to test
 material
324/234 ..Electrically energized nonforce type sensor
324/235 ...Noncoil type
- 2 335/131 (0 OR, 2 XR)
Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
335/106 .Multiple contact type
335/127 ..Simultaneously actuated
335/131 ...By reciprocating armature
- 2 335/132 (2 OR, 0 XR)
Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
335/106 .Multiple contact type
335/132 ..With adjustable, replaceable or
 interchangeable structural features
- 2 335/203 (0 OR, 2 XR)
Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
335/203 .With armature structure
- 2 335/245 (0 OR, 2 XR)
Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
335/209 MAGNETS AND ELECTROMAGNETS
335/220 .With magneto-mechanical motive device (e.g.,
 electromagnet with armature)
335/243 ..Alternating current type
335/244 ...Flux phase displacement or varying means
335/245 Shading coil

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- 2 335/306 (1 OR, 1 XR)
 Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
 335/209 MAGNETS AND ELECTROMAGNETS
 335/296 .Magnet structure or material
 335/302 ..Permanent magnets
 335/306 ...Plural magnets
- 2 335/78 (0 OR, 2 XR)
 Class 335 : ELECTRICITY: MAGNETICALLY OPERATED SWITCHES,
 MAGNETS, AND ELECTROMAGNETS
 335/2 ELECTROMAGNETICALLY ACTUATED SWITCHES
 335/78 .Polarity-responsive
- 2 336/136 (0 OR, 2 XR)
 Class 336 : INDUCTOR DEVICES
 336/130 RELATIVELY MOVABLE CORE AND COIL
 336/136 .Telescoping magnetic body and coil
- 2 340/5.61 (2 OR, 0 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/5.1 .Intelligence comparison for controlling
 340/5.2 ..Authorization control (e.g., entry into an
 area)
 340/5.6 ...Coded record input (e.g., IC card or key)
 340/5.61Wireless transceiver
- 2 340/5.7 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/5.1 .Intelligence comparison for controlling
 340/5.2 ..Authorization control (e.g., entry into an
 area)
 340/5.7 ...Access barrier
- 2 361/115 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/115 .With specific circuit breaker or control
 structure
- 2 361/147 (1 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 361/143 .Systems for magnetizing, demagnetizing, or
 controlling the magnetic field
 361/147 ..With permanent magnet
- 2 361/152 (0 OR, 2 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 361/143 .Systems for magnetizing, demagnetizing, or
 controlling the magnetic field
 361/152 ..Including particular drive circuit

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- 2 361/170 (1 OR, 1 XR)
 - Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 - 361/139 CONTROL CIRCUITS FOR ELECTROMAGNETIC DEVICES
 - 361/160 .For relays or solenoids
 - 361/170 ..Condition responsive (e.g., external circuit condition)
- 2 388/806 (0 OR, 2 XR)
 - Class 388 : ELECTRICITY: MOTOR CONTROL SYSTEMS
 - 388/800 CLOSED LOOP SPEED CONTROL SYSTEM FOR DC MOTOR WITH COMMUTATOR
 - 388/803 .Field control, or field and armature control, by analog (only) circuitry
 - 388/806 ..By voltage or current modification
- 2 477/13 (1 OR, 1 XR)
 - Class 477 : INTERRELATED POWER DELIVERY CONTROLS, INCLUDING ENGINE CONTROL
 - 477/7 ELECTRIC ENGINE
 - 477/8 .With clutch control
 - 477/13 ..Electric clutch
- 2 701/70 (1 OR, 1 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
 - 701/70 .Indication or control of braking, acceleration, or deceleration